



Congress of
Neurological
Surgeons

Neurosurgical Emergencies Virtual Course

April 10, 17, 24, 2024

Zoom

Course Description

This course is designed for neurosurgeons, neurosurgery advanced practice providers (APPs), neurologists and emergency medicine physicians. It provides information about state-of-the-art diagnosis, workup and first-line treatments for neurosurgical emergencies. We will focus on indication for emergency surgeries, end-of-life communication techniques, shared decision making, updated treatment guidelines and new emerging clinical scales that are changing the field. Audience participation will be enhanced through case discussion. Learning will be enhanced with active teaching techniques based on adult cognitive learning theory. All teaching will be problem focused and cased based learning.

Learning Objectives

Upon completion of this course, participants will be able to:

1. To describe and discriminate state-of-the-art treatment for neurosurgical emergencies.
2. Apply up to date stroke management for patients with hemorrhage or ischemic stroke.
3. To execute correct anticoagulation reversal in the setting of an operative neurosurgical emergency.
4. Assemble an effective interprofessional team to treat neurosurgical emergencies.
5. Review and apply new evidence-based literature to neurosurgical emergencies.

Accreditation Statement

The Congress of Neurological Surgeons is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation Statement

The CNS designates this live activity for a maximum of **12 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Agenda

All Times are Listed in Central Time

April 10

Time	Session Name	Speaker
12:00 pm - 12:10 pm	Course Welcome	Phil Taussky
12:10 pm - 1:45 pm	Session I: ICH	
12:10 pm - 12:15 pm	Introduction - ICH	Moderator: Brian Jankowitz
12:15 pm - 12:25 pm	Operative Management	Clemens Schirmer
12:25 pm - 12:35 pm	ICU Management	Corey Fehnel
12:35 pm - 12:45 pm	What Score to Use	Kim Kicielinski
12:45 pm - 1:00 pm	Panel Discussion	All Session Faculty
1:00 pm - 1:45 pm	Case Based Discussion with Polling	All Session Faculty
1:45 pm - 1:55 pm	Break	
1:55 pm - 3:00 pm	Session II: Aneurysm Rupture	
1:55 pm - 2:00 pm	Introduction - Aneurysm Rupture	Moderator: Daniel Tonetti
2:00 pm - 2:10 pm	The First Hour: What Matters	Brian Jankowitz
2:10 pm - 2:20 pm	Salvage Operation	Chris Ogilvy
2:20 pm - 2:30 pm	Vasospasm 101	Corey Fehnel
2:30 pm - 3:00 pm	Panel Discussion	All Session Faculty
3:00 pm - 3:55 pm	Session III: Stroke	
3:00 pm - 3:05 pm	Introduction - Stroke	Moderator: Chris Ogilvy
3:05 pm - 3:15 pm	What's New	Phil Taussky
3:15 pm - 3:40 pm	Debate: When or When Not to Do an HC	Kim Kicielinski & Rosalind Lai
3:40 pm - 4:00 pm	Case Based Discussion with Polling	All Session Faculty

April 17

Time	Session Name	Speaker
12:00 pm - 1:20 pm	Session IV: Spinal cord injury	
12:00 pm - 12:05 pm	Introduction - Spinal Cord Injury	Moderator: Ann Parr
12:05 pm - 12:25 pm	Debate: Central Cord Injury Need to Go Emergently to the Operating Room	Moderator: Laura Snyder
	For	Ann Parr
	Against	Ziev Moses
12:25 pm - 12:35 pm	SCI Management: What's New	Khoi Than
12:35 pm - 12:45 pm	SCI assessment: What's the Level Again?	Ann Parr
12:45 pm - 12:55 pm	Diagnosis and Treatment of Hypotension in SCI	David Okonkwo
12:55 pm - 1:20 pm	Panel Discussion Q & A	All Session Faculty
1:20 pm - 1:30 pm	Break	
1:30 pm - 3:05 pm	Session V: Degenerative Spine in the ED	
1:30 pm - 1:35 pm	Introduction	Moderator: Laura Snyder
1:35 pm - 1:45 pm	Back Pain in the ED	Martin Pham
1:45 pm - 1:55 pm	Cauda Equina Syndrome: When is it Real	Julie Chan
1:55 pm - 2:05 pm	The Diagnosis Everyone Misses: Brachial Plexitis	Chris Winfree
2:05 pm - 2:15 pm	Panel Discussion Q&A	Laura Snyder

2:20 pm - 3:05 pm	Lesion in the spine Case Based Discussion with Polling	All Session Faculty
3:05 pm - 4:20 pm	Session VI: Spine Stabilization	
3:05 pm - 3:10 pm	Introduction - Spine Stabilization	Moderator: David Okonkwo
3:10 pm - 3:20 pm	C2 Fracture: Are We Screwed?	Khoi Than
3:20 pm - 3:30 pm	Blunt Vascular Injury: Veni, Vidi, Vici	Max Shutran
3:30 pm - 3:40 PM	Spine Clearance: Brace Your Bracing	Nitin Agarwal
3:40 pm - 3:50 PM	Spine Stabilization: When and Why	David Okonkwo
3:50 pm - 4:20 pm	Case Based Panel Discussion	All Session Faculty

April 24		
Time	Session Name	Speaker
12:00 pm - 1:20 pm	Session VII: TBI Operative Management	
12:00 pm - 12:05 pm	Introduction - TBI Operative Management	Moderator: Martina Stippler
12:05 pm - 12:15 pm	Hemicraniectomy: Now or Later	Ryan Kitagawa
12:15 pm - 12:25 pm	3 Things to Do in TBI	Lori Shutter
12:25 pm - 12:35 pm	3 Things Not to Do in TBI	Patricia Raksin
12:35 pm - 12:45 pm	TBI Protocols: Let's Go Down the List	Tara Rukstalis
12:45 pm - 12:55 pm	Panel Discussion Q&A	All Session Faculty
12:55 pm - 1:20 pm	Case Based Panel Discussion - Attendee Submitted Cases	All Session Faculty
1:20 pm - 2:30 pm	Session VIII: Anticoagulation Reversal	
1:20 pm - 1:30 pm	Introduction - Anticoagulation Reversal	Moderator: Ryan Kitagawa
1:30 pm - 1:40 pm	Anticoagulation Reversal: Let's Do This	Alan Hoffer
1:40 pm - 1:50 pm	Antiplatelet Reversal: Is There Something That Works?	Clemens Schirmer
1:50 pm - 2:00 pm	NOACs: Yes, I Can Do This	Emily Sieg
2:00 pm - 2:10 pm	VTE Prophylaxis: Do Lovenox or Not	Martina Stippler
2:10 pm - 2:30 pm	Panel Discussion Q&A	All Session Faculty
2:30 pm - 3:35 pm	Session IX: Hyper Intense Conversations	
2:30 pm - 2:40 pm	Hyper Intense Conversations in Neurocritical Care	Moderator: Lori Shutter
2:40 pm - 2:50 pm	Worst Case, Best Case: What Do You Say	Kim Kicielski
2:50 pm - 3:00 pm	Shared Decision Making: What Do You Want	Susanne Muehschlegel
3:00 pm - 3:10 pm	Communication Techniques: How Do You Say It	Stephen Miranda
3:10 pm - 3:20 pm	Is There a Role for Palliative Care in the ED?	Mary Buss
3:20 pm - 3:35 pm	Panel Discussion	All Session Faculty
3:35 pm - 4:20 pm	Recall Day: Case Based Panel Discussion Spine, TBI and Stroke	Moderators: Martina Stippler, Clemens Shirmer and Matthew Pease with All Session Faculty